

## REFERENCES

- BS EN 1991-1-1: (2002). *Eurocode 1: Actions on structures. General actions. Densities, self-weight, imposed loads for buildings*, BSI.
- Davidson, B., & W. Owens, G. (2012). *STEEL DESIGNERS' MANUAL*. BLACKWELL PUBLISHING LTD.
- Duoc, T., James B.P., L., Tiku T., T., R. Mark, L., Yixiang, X., Steven, M., & Wei, S. (2013). Effect of serviceability limits on optimal design of steel portal frames. *Journal of Constructional Steel Research*, 74-84.
- Elsayed, M., Mohamed, E.-H., Hamdy, A.-E., & Mohamed, O. (2010). Finite element analysis of beam-to-column joints. *Alexandria Engineering Journal*, 91-104.
- G Lackshmi, N. (2009). *Finite Element Analysis*. BS Publications.
- M.T., R.-L., & Jose, S.-S. (2014). Analysis of wind action on unique structures with application to Seville. *Engineering Structure*.
- Mohamed, H.-Z., David, W., & M., A. (1983). NONLINEAR FINITE ELEMENT ANALYSIS. *J. Struct. Eng.*, 353-368.
- P.J., M., R.P., D., M.W., B., & A.H., B. (2008). Design of steel portal frame buildings for fire safety. *Journal of Constructional Steel Research*, 1216-1224.
- Ross, M., James, B., Tiku, T., Duoc, T., & Wei Sha. (2014). Optimal design of long-span steel portal frames using fabricated beams. *Journal of Constructional Steel Research*, 104-114.
- Steel Construction*. (2014). Retrieved from Steel Construction:  
[http://www.steelconstruction.info/Portal\\_frames](http://www.steelconstruction.info/Portal_frames)
- University Deakin. (2004). Retrieved from Frame Construction:  
<http://www.ab.deakin.edu.au/online/vgallery/2004/srt251/team22/Home/navigation/Framing/Frame.htm#top>
- University of Alberta - ANSYS Tutorials*. (2001). Retrieved from  
<http://www.mece.ualberta.ca/tutorials/ansys/>